CKET NO.: CRNT-0178

**PATENT** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Melvin Joseph White II et al.

**Confirmation No.: 1278** 

**Application No.: 10/641,689** 

Group Art Unit: 2632

Filing Date: August 14, 2003

**Examiner: Not yet known** 

For: POWER LINE COMMUNICATION SYSTEM AND METHOD OF

**OPERATING THE SAME** 

DATE OF DEPOSIT: JUNE 7, 2004

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX, 1450, ALEXANDRIA,

VA 22313-1450.

TYPED NAME: Heather Kite

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

## INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

In accordance with § 1.97(b), since this Information Disclosure Statement is  $\boxtimes$ being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

	the above identified a	application as set forth in § 1.491, before the mailing date					
	of a first Office Act	ion on the merits of the above-identified application, or					
	before the mailing d	ate of a first Office Action after the filing of request for					
	continued examination	on under § 1.114, no additional fee is required.					
	In accordance with §	§ 1.97(c), this Information Disclosure Statement is being					
	filed after the period set forth in § 1.97(b) above but before the mailing date of						
	either a Final Action	under § 1.113 or a Notice of Allowance under § 1.311, or					
	before an action that	otherwise closes prosecution in the application, therefore:					
		Certification in Accordance with § 1.97(e) is attached;					
		or					
		The fee of \$180.00 as set forth in § 1.17(p) is attached.					
	In accordance with §	§ 1.97(d), this Information Disclosure Statement is being					
	filed after the mailin	g date of either a Final Action under § 1.113 or a Notice					
	of Allowance under	§ 1.311 but before, or simultaneously with, the payment					
	of the Issue Fee, the	erefore included are: Certification in Accordance with §					
	1.97(e); and the subn	nission fee of \$180.00 as set forth in § 1.17(p).					
	Copies of each of th	ne references listed on the attached Form PTO-1449 are					
	enclosed herewith.						
$\boxtimes$	Copies of reference	s listed on the attached Form PTO-1449 are enclosed					
	herewith EXCEPT T	HAT:					
$\boxtimes$	Copies of references	s 1-234 listed on the attached Form PTO 1449 are not					
	required to be submi	itted pursuant to the June 30, 2003 recent revisions to 37					
	CFR § 1.98(a)(2)(i).						

DOCKET NO.: CRNT-0178 - 3 - PATENT

In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C.§ 120 have been made in the instant application:

Copies of references 235-255, 259-289, 341-376 and 404-410 listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. 10/315,725, filed December 10, 2002.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-

3050. This form is submitted in duplicate.

 $\boxtimes$ 

Date: June 7, 2004

Vincent J. Roccia

Registration No. 43,887

WOODCOCK WASHBURN LLP One Liberty Place - 46th Floor Philadelphia, PA 19103 Telephone: (215) 568-3100

Facsimile: (215) 568-3439

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& TRADE	Form	PTO-1449 Mod	lified	Docket No. CRNT-0178	Serial No. 10/641,6	
	(	Patent and Publica Cited by Applicant veral sheets if neces		Applicant  Melvin Joseph Whit	e II, et al.	
		epartment of Comn t and Trademark Of		Filing Date August 14, 2003	Group <b>2632</b>	
				Confirmation No. 1278		
		U	. S. PATENT D	OCUMENTS		
Examiner Initial		Document No.	Date	Name	Class	Subclass
IIIIIII	1	1,547,242	07/28/25	M. E. Strieby		- <del></del>
	2	2,298,435	10/13/42	Tunick	250	15
	3	2,577,731	12/11/51	F.C. Berger	179	2.5
	4	3,369,078	02/13/68	Stradley	179	2.5
	5	3,445,814	05/20/69	Spalti	340	151
	6	3,605,009	09/14/71	Enge	323	93
	7	3,641,536	02/08/72	Prosprich	340	870.15
	8	3,656,112	04/11/72	Paull	340	151
	9	3,696,383	10/03/72	Oishi et al.	340	310
	10	3,702,460	11/07/72	Blose	340	150
	11	3,810,096	05/07/74	Kabat et al.	340	147 R
	12	3,846,638	11/05/74	Wetherell	307	3
	13	3,895,370	07/15/75	Valentini	340	310
	14	3,911,415	10/07/75	Whyte	340	310
	15	3,942,168	03/02/76	Whyte	340	310.01
	16	3,942,170	03/02/76	Whyte	340	310
	17	3,962,547	06/08/76	Pattantyus-Abraham	179	2.5 R
	18	3,964,048	06/15/76	Lusk et al.	340	310 R
	19	3,967,264	06/29/76	Whyte et al.	340	310.08
	20	3,973,087	08/03/76	Fong	179	170 R
<del></del>	21	3,973,240	08/03/76	Fong	340	151
	22	3/993,110	01/18/77	Whyte	179	170 J

EXAMINER	DATE CONSIDERED
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υ	List of (Use se U.S. D	PTO-1449 Mod Patent and Public Cited by Applicant veral sheets if necessity epartment of Cometand Trademark Cometand	ations essary) merce	Applicant Melvin Joseph Wh  Filing Date August 14, 2003  Confirmation No. 1278  OCUMENTS	Serial No. 10/641,6  ite II, et al.  Group 2632	
Examiner		Document	Date	Name	Class	Subclass
<u>Initial</u>	23	<b>No.</b> 4,004,110	01/18/77	Whyte	179	170 J
<del></del>	24	4,012,733	03/15/77	Whyte	340	310
	25	4,016,429	04/05/77	Vercellotti et al.	307	149
<del> </del>	26	4,053,876	10/11/77	Taylor	340	529
	27	4,057,793	11/08/77	Johnson et al.	340	310 R
· · · · · · · · · · · · · · · · · · ·	28	4,060,735	11/29/77	Pascucci et al.	307	3
	29	4,070,572	01/24/78	Summerhayes	250	199
	30	4,119,948	10/10/78	Ward et al.	340	870.02
	31	4,142,178	02/27/79	Whyte et al.	340	310
	32	4,188,619	02/12/80	Perkins	340	310 R
	33	4,239,940	12/16/80	Dorfman	179	2.51
	34	4,250,489	02/10/81	Dudash et al.	340	147 T
	35	4,254,402	03/03/81	Perkins	340	310 R
	36	4,263,549	04/21/81	Toppeto	324	127
	37	4,268,818	05/19/81	Davis et al.	340	870.38
	38	4,323,882	04/06/82	Gajjer	340	310 R
·	39	4,357,598	11/02/82	Melvin, Jr.	340	310 A
	40	4,359,644	11/16/82	Foord	307	40
	41	4,367,522	01/04/63	Forstbauer et al.	363	137
	42	4,383,243	05/10/83	Krügel et al.	340	310 R
	43	4,386,436	5/1983	Kocher et al.	455	151.4
	44	4,408,186	10/04/83	Howell	340	310 A

EXAMINER	DATE CONSIDERED	
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Sheet 3 of 23

List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office  U. S. PATENT I			Applicant Melvin Joseph Whi  Filing Date August 14, 2003  Confirmation No. 1278  OCUMENTS	Serial No. 10/641,6  ite II, et al.  Group 2632		
Examiner		Document	Date	Name	Class	Subclass
<u>Initial</u>	45	<b>No.</b> 4,409,542	10/11/83	Becker et al.	324	57 Q
	46	4,413,250	11/01/83	Porter et al.	340	310.01
<del></del>	47	4,419,621	12/06/83	Becker et al.	324	51
	48	4,433,284	02/21/84	Perkins	323	361
	49	4,442,492	04/10/84	Karlsson et al.	364	464
	50	4,457,014	06/26/84	Bloy	381	98
	51	4,468,792	08/28/84	Baker et al.	375	45
	52	4,471,399	09/11/84	Udren .	361	64
	53	4,473,816	09/25/84	Perkins	340	310
	54	4,473,817	09/25/84	Perkins	340	310
	55	4,475,209	10/02/84	Udren	375	4
	56	4,479,033	10/23/84	Brown et al.	179	2.51
	57	4,481,501	11/06/84	Perkins	340	310
	58	4,495,386	01/22/85	Brown et al.	455	402
	59	4,517,548	05/14/85	Ise et al.	340	310 R
	60	4,569,045	02/04/86	Schieble et al.	370	85
	61	4,599,598	07/08/86	Komoda et al.	340	310 A
	62	4,642,607	02/10/87	Strom et al.	340	310
	63	4,644,321	02/17/87	Kennon	340	310 A
	64	4,652,855	03/1987	Weikel	340	310
	65	4,675,648	06/23/87	Roth et al.	340	310.07
	66	4,683,450	07/28/87	Max et al.	333	202

EXAMINER	DATE CONSIDERED
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•	Form PTO-1449 Modified  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office			Docket No. Serial No. 10/641,689			
· ·				Applicant Melvin Joseph White II, et al.			
				Filing Date Group August 14, 2003 2632			
				Confirmation No. 1278			
		U	. S. PATENT D	OCUMENTS			
Examiner Initial		Document No.	Date	Name	Class	Subclass	
Illitiai	67	4,686,382	08/11/87	Shuey	307	149	
	68	4,686,641	08/11/87	Evans	364	580	
	69	4,697,166	09/29/87	Warnagiris et al.	340	310 R	
	70	4,701,945	10/20/87	Pedigo	379	66	
	71	4,724,381	02/09/88	Crimmins	324	127	
	72	4,745,391	05/17/88	Gajjar	340	310 A	
	73	4,746,897	05/24/88	Shuey	340	310 R	
	74	4,749,992	06/07/88	Fitzmeyer et al.	340	870.02	
	75	B1 4,749,992	06/11/96	Fitzmeyer et al.	340	870.02	
	76	4,766,414	08/23/88	Shuey	340	310 A	
	77	4,772,870	09/20/88	Reyes	340	310 R	
	78	4,785,195	11/15/88	Rochelle et al.	307	18	
	79	4,800,363	01/24/89	Braun et al.	340	310 A	
	80	4,835,517	05/30/89	van der Gracht et al.	340	310 A	
	81	4,903,006	02/02/90	Boomgaard	340	310 A	
-	82	4,904,996	02/27/90	Fernandes	340	870.07	
_	83	4,912,553	03/27/90	Pal et al.	358	86	
-	84	4,973,940	11/27/90	Sakai et al.	340	310 R	
_	85	4,979,183	12/18/90	Cowart	375	142	
	86	5,006,846	04/09/91	Granville et al.	340	870.28	
	87	5,066,939	11/19/91	Mansfield, Jr.	340	310 R	
	88	5,068,890	11/26/91	Nilssen	379	90	

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EXAMINER	DATE CONSIDERED

				Sheet 5 of 23			
				Docket No.	Serial N		
•	Form	PTO-1449 Mo	dified	CRNT-0178	10/641,6	<b>989</b>	
			<del></del>				
٥		Patent and Public		Applicant			
		Cited by Applicant veral sheets if necessity		Melvin Joseph Whi	te II, et al.		
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		epartment of Com		Filing Date	Group	<del></del>	
	Patent	and Trademark C	Office	August 14, 2003	2632		
<del> </del>				Confirmation No.	<u> </u>		
				1278			
			U. S. PATENT D	OCUMENTS			
Examiner		Document	Date	Name	Class	Subclass	
<u>Initial</u>	89	No. 5,148,144	09/15/92	Sutterlin et al.	340	310 A	
<u> </u>	90	5,151,838	09/29/92	Dockery	340	310 R	
	91	5,185,591	02/09/93	Shuey	340	310 A	
· ·	92	5,191,467	03/02/93	Kapany et al.	359	341	
	93	5,210,519	05/11/93	Moore	340	310	
<del></del>	94	5,257,006	10/26/93	Graham et al.	340	310A	
··	95	5,301,208	04/05/94	Rhodes	375	36	
	96	5,319,634	06/07/94	Bartholomew et al.	370	18	
	97	5,351,272	09/27/94	Abraham	375	38	
	98	5,359,625	10/25/94	Vander Mey et al.	375	1	
· · · · · · · · · · · · · · · · · · ·	99	5,369,356	11/29/94	Kinney et al.	324	142	
	100	5,375,141	10/20/94	Takahashi	375	1	
	101	5,406,249	04/11/95	Pettus	340	310.06	
	102	5,410,720	04/25/95	Osterman	725	150	
	103	5,426,360	06/20/95	Maraio et al.	324	126	
	104	5,432,841	07/11/95	Rimer	455	457	
	105	5,448,229	09/05/95	Lee, Jr.	340	870.02	
	106	5,461,629	10/24/95	Sutterlin et al.	371	30	
	107	5,477,091	12/19/95	Fiorina et al.	307	66	
	108	5,485,040	01/16/96	Sutterlin	307	3	
·····	109	5,497,142	03/05/96	Chaffanjon	340	310.06	
· · · · · · · · · · · · · · · · · · ·	110	5,498,956	03/12/96	Kinney et al.	324	142	

DATE CONSIDERED

			Sheet 6 of 23			
Form	PTO-1449 Mod	dified	CRN1-0178	10/641,6	089	
			Applicant			
	·		Melvin Joseph Whi	ite II, et al.		
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U.S. De	epartment of Com	merce	Filing Date	Group		
Patent	and Trademark O	office	August 14, 2003	2632	••	
			Confirmation No.		·	
			1278			
<u> </u>	J	U. S. PATENT D				
	Document	Date	Name	Class	Subclass	
111	No.	07/02/06		275	2006	
		,			286	
112	5,559,377	09/24/96	Abraham	307	104	
113	5,579,221	11/26/96	Mun	364	188	
114	5,579,335	11/26/96	Sutterlin et al.	375	200	
115	5,592,482	01/07/97	Abraham	348	8	
116	5,598,406	01/28/97	Albrecht et al.	370	296	
117	5,616,969	04/01/97	Morava	307	91	
118	5,625,863	04/29/97	Abraham	455	3.3	
119	5,630,204	05/13/97	Hylton et al.	455	3.3	
120	5,640,416	06/17/97	Chalmers	375	147	
121	5,664,002	09/02/97	Skinner, Sr.	379	56.2	
122	5,684,450	11/04/97	Brown	340	310.02	
123	5,691,691	11/25/97	Merwin et al.	340	310.02	
124	5,694,108	12/02/97	Shuey	340	310.01	
125	5,705,974	01/06/98	Patel et al.	340	310.03	
126	5,712,614	01/27/98	Patel et al.	340	310.03	
127	5,717,685	02/10/98	Abraham	370	30	
128	5,726,980	03/10/98	Rickard	370	293	
129	5,748,671	05/05/98	Sutterlin et al.	375	206	
130	5,770,996	06/23/98	Severson et al.	340	310.08	
131	5,774,526	06/30/98	Propp et al.	379	90.1	
132	5,777,544	07/07/98	Vander Mey et al.	340	310.06	
	List of Cuse several U.S. Do Patent 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131	List of Patent and Publica Cited by Applicant (Use several sheets if necessary of the patent and Trademark Of Patent Andrews Of Patent and Trademark O	Document No.         Date           111         5,533,054         07/02/96           112         5,559,377         09/24/96           113         5,579,221         11/26/96           114         5,579,335         11/26/96           115         5,592,482         01/07/97           116         5,598,406         01/28/97           117         5,616,969         04/01/97           118         5,625,863         04/29/97           119         5,630,204         05/13/97           120         5,640,416         06/17/97           121         5,664,002         09/02/97           122         5,684,450         11/04/97           123         5,691,691         11/25/97           124         5,694,108         12/02/97           125         5,705,974         01/06/98           126         5,712,614         01/27/98           127         5,717,685         02/10/98           128         5,726,980         03/10/98           129         5,748,671         05/05/98           130         5,770,996         06/23/98           131         5,774,526         06/30/98	Applicant	Docket No. CRNT-0178	

EXAMINER	DATE CONSIDERED

•	List of	PTO-1449 Mod Patent and Public Cited by Applicant veral sheets if necessity	ations	Docket No. CRNT-0178  Serial No. 10/641,689  Applicant Melvin Joseph White II, et al.		
		epartment of Com and Trademark C		Filing Date August 14, 2003	Group <b>2632</b>	
				Confirmation No. 1278		
			U. S. PATENT D	OCUMENTS		·
Examiner Initial		Document No.	Date	Name	Class	Subclass
Initiai	133	5,777,545	07/07/98	Patel et al.	341	310.06
	134	5,777,769	07/07/98	Coutinho	359	173
,	135	5,778,116	07/07/98	Tomich	385	16
	136	5,796,607	08/18/98	Le Van Suu	364	140.01
<del></del>	137	5,802,102	09/01/98	Davidovici	375	152
	138	5,805,053	09/08/98	Patel et al.	340	310.01
	139	5,818,127	10/06/98	Abraham	307	106
	140	5,818,821	10/06/98	Schurig	370	293
	141	5,828,293	10/27/98	Rickard	340	310.04
	142	5,835,005	11/10/98	Furukawa et al.	340	310.01
	143	5,847,447	12/08/98	Rozin et al.	257	678
	144	5,856,776	01/05/99	Armstrong et al.	340	310.01
	145	5,864,284	01/26/99	Sanderson et al.	340	310.01
	146	5,870,016	02/1999	Shresthe	340	310.01
	147	5,880,677	03/09/99	Lestician	340	825.06
	148	5,881,098	03/09/99	Tzou	375	152
	149	5,892,430	04/06/99	Wiesman et al.	340	310.01
	150	5,929,750	07/27/99	Brown	340	310.02
	151	5,933,071	08/03/99	Brown	340	310.01
	152	5,933,073	08/03/99	Shuey	340	310.07
	153	5,937,003	08/10/99	Sutterlin et al.	375	208
	154	5,937,342	08/10/99	Kline	455	402

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		epartment of Comm and Trademark Of		Filing Date August 14, 2003	Group <b>2632</b>	
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	156	5,952,914	09/14/99	Wynn	340	310.01
	157	5,963,585	10/05/99	Omura et al.	375	207
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	159	5,978,371	11/02/99	Mason, Jr. et al.	370	389
	160	5,982,276	11/09/99	Stewart	340	310.01
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		and Trademark Office		August 14, 2003	2632		
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		epartment of Comme t and Trademark Office		Filing Date August 14, 2003	Group <b>2632</b>	
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		epartment of Comme t and Trademark Offi		Filing Date Group August 14, 2003 2632		
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		epartment of Comm t and Trademark Off		Filing Date August 14, 2003	Group 2632
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•	C	Patent and Publications Cited by Applicant veral sheets if necessary)	Applicant Melvin Joseph White II, et al.  Filing Date August 14, 2003  Group 2632		
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